



FORM PTO-1449
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Sheet 1 of 1

ATTY. DOCKET NO.
2002-057-02US

SERIAL NO.
10/798,880

LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT
Brown, R. S. *et al.*

FILING DATE
March 12, 2004

GROUP
1621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

- aw 1 Barr, L., *et al.* "Metallocyclodextrin Catalysts for Hydrolysis of Phosphate Triesters". *Tet. Lett.*, 43: 7797-7800 (2002).
- bw 2 Bunton, C. A., *et al.* "Source of Catalysis of Dephosphorylation of *p*-nitrophenyldiphenylphosphate by Metallomicelles". *J. Chem. Soc., Perkin Trans.2*, 3: 419-425 (1996).
- aw 3 Scrimin, P., *et al.* "Metallomicelles as Catalysts of the Hydrolysis of Carboxylic and Phosphoric Acid Esters". *J. Org. Chem.*, 56: 161-166 (1991).

Examiner

m. wassich

Date Considered

8/22/05

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USCOMM-DC 80-3985



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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE SUBCLASS	IF APPROPRIATE
<u>low</u>	1	5,859,064	Jan. 12, 1999	Cronce		
<u>low</u>	2	3,725,269	Apr. 3, 1973	Wolverton		
<u>low</u>	3	3,079,346	Feb. 26, 1963	Jackson		

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	TRANSLATION SUBCLASS	YES/NO
<u>low</u>	1	WO 02/072206 A1	Sept. 19, 2002	WIPO		No
<u>low</u>	2	WO 01/30452 A1	May 3, 2001	WIPO		No
<u>low</u>	3	WO 00/48684	Aug. 24, 2000	WIPO		No
<u>low</u>	4	WO 96/05208	Feb. 22, 1996	WIPO		No
<u>low</u>	5	EP 0906773 A1	Apr. 7, 1999	EP		No
<u>low</u>	6	EP 0909774 A1	Apr. 21, 1999	EP		No
<u>low</u>	7	DD 299,458	Apr. 23, 1992	DD		Yes

OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

low 1 Balakrishnan, V.K., *et al.* "Catalytic Pathways in the Ethanolysis of Fenitrothion, an Organophosphorothioate Pesticide. A Dichotomy in the Behaviour of Crown/Cryptand Cation Complexing Agents". *Can. J. Chem.* 79: 157-173 (2001).

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- CON 2 Bosch, E., *et al.* "Retention of Ionizable Compounds on HPLC. pH Scale in Methanol-Water and the pK and pH Values of Buffers". *Analytical Chemistry*. **68**: 3651-3657 (1996).
- 3 Bosch, E., *et al.* "Hammett-Taft and Drago Models in the Prediction of Acidity Constant Values of Neutral and Cationic Acids in Methanol". *J. Chem. Soc., Perkin Trans. 2*: 1953-1958 (1999).
- 4 Brown, R.S., *et al.* "Hydrolysis of Neutral Phosphate and Phosphonate Esters Catalysed by Co²⁺-chelates of Tris-imidazolyl Phosphines". *Inorganica Chimica Acta*. **108**: 201-207 (1985).
- 5 Brown, R.S., *et al.* "Acyl and Phosphoryl Transfer to Methanol Promoted by Metal Ions". *J. Chem. Soc., Perkin Trans. 2*: 1039-1049 (2002).
- 6 Brown, R.S., *et al.* "La³⁺-Catalyzed Methanolysis of Hydroxypropyl-*p*-nitrophenyl Phosphate as a Model for the RNA Transesterification Reaction". *39th IUPAC Congress and 86th Conference of the Canadian Society for Chemistry*. Ottawa, Ontario. August 10-15 (2003) (ABSTRACT).
- 7 Buncel, E., *et al.* "Alkali Metal Ion Catalysis in Nucleophilic Displacement by Ethoxide Ion on *p*-nitrophenyl Phenylphosphonate: Evidence for Multiple Metal Ion Catalysis". *Can. J. Chem.* **81**: 53-63 (2003).
- 8 Clewley, R.G., *et al.* "Mono and Dinuclear M²⁺ Chelates as Catalysts for the Hydrolysis of Organophosphate Triesters". *Inorganica Chimica Acta*. **157**: 233-238 (1989).
- CON 9 Desloges, W., *et al.* "Zn²⁺-Catalyzed Methanolysis of Phosphate Triesters: A Process for Catalytic Degradation of the Organophosphorus Pesticides Paraoxon and Fenitrothion". *Inorganic Chemistry*. *submitted* (2003).

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- 60N 10 Gans, P., *et al.* "Investigation of Equilibria in Solution. Determination of Equilibrium Constants with the HYPERQUAD Suite of Programs". *Talanta*. 43(10): 1739-1753 (1996).
- 11 Gibson, G., *et al.* "Potentiometric Titration of Metal Ions in Methanol". *Can. J. Chem.* 81: 495-504 (2003).
- 12 Ketelaar, J.A.A., *et al.* "Metal-catalysed Hydrolysis of Thiophosphoric Esters". *Nature*. 177: 392-393 (1956).
- 13 Khan, A., *et al.* "Strong Zn^{2+} and Co^{2+} Catalysis of the Methanolysis of Acetyl Imidazole and Acetyl Pyrazole". *Can. J. Chem.* 77: 1005-1008 (1999).
- 14 Nagelkerke, R., *et al.* "Alkali-metal Ion Catalysis and Inhibition in Nucleophilic Displacement Reactions at Carbon, Phosphorus and Sulfur Centres. IX. *p*-Nitrophenyl Diphenyl Phosphate". *Org. Biomol. Chem.* 1: 163-167 (2003).
- 15 Neverov, A.A., *et al.* "Catalysis of the Methanolysis of Acetylimidazole by Lanthanum Triflate". *Can. J. Chem.* 78: 1247-1250 (2000).
- 16 Neverov, A.A., *et al.* " La^{3+} -Catalyzed Methanolysis of Phosphate Diesters. Remarkable Rate Acceleration of the Methanolysis of Diphenyl Phosphate, Methyl *p*-Nitrophenyl Phosphate, and Bis(*p*-nitrophenyl) Phosphate". *Inorganic Chemistry*. 40: 3588-3595 (2001).
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- CSW 18 Neverov, A.A., *et al.* "Catalysis of the Methanolysis of Activated Amides by Divalent and Trivalent Metal Ions. The Effect of Zn^{2+} , Co^{2+} , and La^{3+} on the Methanolysis of Acetylimidazole and Its $(NH_3)_5Co^{III}$ Complex". *J. Am. Chem. Soc.* **123**: 210-217 (2001).
- 19 Neverov, A.A., *et al.* "Europium Ion Catalyzed Methanolysis of Esters at Neutral pH and Ambient Temperature. Catalytic Involvement of $Eu^{3+}(CH_3O)-(CH_2OH)_x$ ". *Inorganic Chemistry*. **42**: 228-234 (2003).
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- 21 Rived, F., *et al.* "Dissociation Constants of Neutral and Charged Acids in Methyl Alcohol. The Acid Strength Resolution". *Analytica Chimica Acta.* **374**: 309-324 (1998).
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- 23 Tsang, J.S.W., *et al.* "Billion-fold Acceleration of the Methanolysis of Paraoxon Promoted by $La(OTf)_3$ in Methanol". *J. Am. Chem. Soc.* **125**: 7602-7607 (2003).
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- CSW 27 Yang, Y.-C. "Chemical Detoxification of Nerve Agent VX". *Acc. Chem. Res.* **32**: 109-115 (1999).

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